

ARRANGEMENT CONSISTING OF A PROGRAM-CONTROLLED
UNIT AND A POWER CHIP CONNECTED TO IT

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ABSTRACT

An arrangement including a program-controlled unit and a power chip, the power chip connected to drive electric loads in accordance with load control data, and the program-controlled unit transmitting the load control data and power chip control data, and the power chip transmitting to the program-controlled unit diagnostic data. The aprogram-controlled unit, by transmitting corresponding control data to the power chip, can input the behavior of the output drivers of the power chip and/or configure protective mechanisms present in the power chip and/or input to the power chip the format of the diagnostic data to be output and/or input to the power chip when it has to output what diagnostic data and/or input to the power chip which load is to be controlledby which load control data section, and/or input to the power chip whether the load control data contains redundant data suitable for detecting transmission errors.